

Form PTO-1449 (modified)

Atty. Docket No.
OMRF:014USSerial No.
10/779,319

List of Patents and Publications for Applicant's

Applicant
Michael E. Dresser
Jose-Angel ConchelloFiling Date:
February 13, 2004Group:
262A

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

U.S. Patent Documents
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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
/SCC/	A2	5,193,124	3/9/93	Subbarao	382	41	6/15/90
↓	A3	5,778,038	7/7/98	Brandt <i>et al.</i>	378	4	6/6/96
	A4	6,525,302	2/25/03	Dowski, Jr. <i>et al.</i>	250	201.2	6/6/01
	A5	5,671,085	9/23/97	Gustafsson <i>et al.</i>	359	385	2/3/95

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation

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DATE CONSIDERED: 06/23/2007

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Exam. Init.	Ref. Des.	Citation
/SCC/	C39	Hausler, "A method to increase the depth of focus by two step image processing," <i>Optics Communications</i> , 6(1):38-42, 1972.
/SCC/	C40	Hausler and Korner, "Imaging with expanded depth of focus," <i>Zeiss Information</i> , 29:9-13, 1987.
/SCC/	C41	Holmes <i>et al.</i> , "Increased depth of field and stereo pairs of fluorescence micrographs via inverse filtering and maximum-likelihood estimation," <i>Journal of Microscopy</i> , 164(Part 3):217-237, 1991.

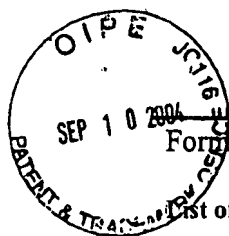
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/SCC/	A1	5,047,968	9/10/91	Carrington <i>et al.</i>	364	574	3/20/90

Foreign Patent Documents

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/SCC/	C1	"Computational optical sectioning microscopy of live cardiomyocytes," Computational Optical Sectioning Microscopy, http://216.239.57.1.../fmnotes.html+deconvolution+otf+psf+introduction&hl=en&ie=UTF , printed January 8, 2003.
/SCC/	C2	Agard, "Optical sectioning microscopy", <i>Ann. Rev. Biophys. Bioeng.</i> 13:191-219, 1984.
/SCC/	C3	Carrington <i>et al.</i> , "Superresolution three-dimensional images of fluorescence in cells with minimal light exposure," <i>Science</i> , 268:1483-1487, 1995.
/SCC/	C4	Carrington, "Image restoration in 3D microscopy with limited data" in SPIE Vol 1205 <i>Bioimaging and two-dimensional spectroscopy</i> L. C. Smith, editor SPIE press., 72-83, 1990.
/SCC/	C5	Christou, "Deconvolution algorithms," <i>Center for Adaptive Optics</i> .
/SCC/	C6	Conchello and Yu, "Parametric blind deconvolution of fluorescence microscope images: Preliminary results," in <i>Three-Dimensional microscopy: image acquisition and processing</i> C. J. Cogswell, G. S. Kino, and T. Wilson, editors, Proceedings of the SPIE 2655, 164-174, 1996.
/SCC/	C7	Conchello and McNally "Fast regularization technique for expectation maximization algorithm for computational optical sectioning microscopy," in <i>Three-Dimensional microscopy: image acquisition and processing III</i> , C. J. Cogswell, G. Kino, and T. Wilson, editors. Proc. SPIE 2655:199-208, 1996.
/SCC/	C8	Conchello and McNally, "Subpixel resolution in maximum likelihood image restoration" in <i>Three-Dimensional microscopy: image acquisition and processing IV</i> , C. J. Cogswell, J. A. Conchello, and T. Wilson, editors. Proc. SPIE 2984:158-168, 1997.

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/SCC/	C9	Conchello <i>et al.</i> , "Enhanced 3-D Reconstruction from Confocal Scanning Microscope Images. II: Depth Discrimination vs. Signal-to-Noise Ratio in Partially Confocal Images," <i>Appl. Opt.-Information Processing</i> , 33(17):3740-3750, 1994.
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/SCC/	C11	Conchello, and Hansen "Enhanced 3-D reconstruction from confocal scanning microscope images. I: Deterministic and maximum likelihoodreconstructions," <i>Applied Optics</i> , 29(26):3795-3804, 1990.
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/SCC/	C17	Holmes, "Maximum-likelihood image restoration adapted for noncoherent optical imaging," <i>Journal of the Optical Society of America A</i> , 5(5):666-673, 1988.
/SCC/	C18	Liu and Holmes, "2D and 3D fluorescence microscopy by maximum likelihood estimation: Micrograph results," <i>Microscopy Society of America Bulletin</i> , 23(2):189-198, 1993.
/SCC/	C19	Loew <i>et al.</i> , "Imaging in five dimensions: Time-dependent membrane potentials in individual mitochondria," <i>Biophysical Journal</i> , 65(12):2396-2407, 1993.
/SCC/	C20	Malkusch <i>et al.</i> , "Digital light microscopy: Prerequisite for optimum enhancement and increase of resolution," <i>Experimental Gerontology</i> , 36:1199-1217, 2001.

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/SCC/	C21	Markham and Conchello, "Fast maximum-likelihood image restoration algorithms for three-dimensional fluorescence microscopy," <i>Journal of the Optical Society of America-A</i> , 18(5): 1062-1071, 2001.
/SCC/	C22	Markham and Conchello, "Parametric blind deconvolution: a robust method for the simultaneous estimation of image and blur," <i>J. Opt. Soc. Am. A</i> , 16(10):2377-2391, 1999.
/SCC/	C23	Markham and Conchello, "Tradeoffs in regularized maximum-likelihood image restoration," in <i>Three-Dimensional Microscopy: Image Acquisition and Processing IV</i> . C Cogswell, J. A. Conchello, and T. Wilson Editors. Proc. SPIE 2984-18:136-145, 1997.
/SCC/	C24	Rizzuto <i>et al.</i> , "Digital imaging microscopy of living cells," <i>Trends in Cell Biology</i> , 8(7):288-292, 1998.
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/SCC/	C32	Verveer and. Jovin "Improved restoration from multiple images of a single object: application to fluorescence microscopy," <i>Applied Optics</i> , 37(26): 6240-6246, 1998.

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/SCC/	C33	Verveer <i>et al.</i> , "A comparison of image restoration approaches applied to three-dimensional confocal and wide-field fluorescence microscopy," <i>Journal of Microscopy</i> , 183 (1):60-61, 1999.
/SCC/	C34	Verveer <i>et al.</i> , "Superresolution MAP algorithms applied to fluorescence imaging," in <i>Three-dimensional microscopy: Image acquisition and processing IV</i> C. J. Cogswell, J.-A. Conchello, and T. Wilson, Editors. <i>Proc. SPIE</i> , 2984:125-135, 1997.
/SCC/	C35	Verveer <i>et al.</i> , "Theory of confocal fluorescence imaging in the programmable array microscope (PAM)," <i>Journal of Microscopy</i> , 189(3):192-198, 1998.
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/SCC/	C37	Häusler, "A method to increase the depth of focus by two step image processing," <i>Optics Communications</i> , 6(1):38-42, 1972.
/SCC/	C38	Holmes <i>et al.</i> , "Increased depth of field and stereo pairs of fluorescence micrographs via inverse filtering and maximum-likelihood estimation," <i>Journal of Microscopy</i> , 164(pt 3):217-237, 1990.

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